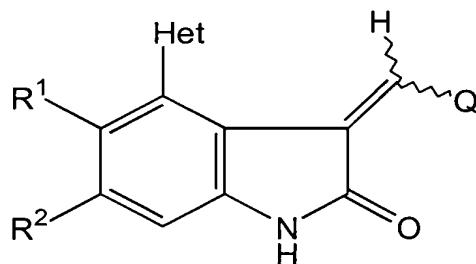


Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

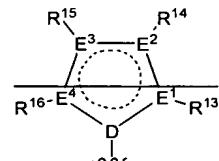
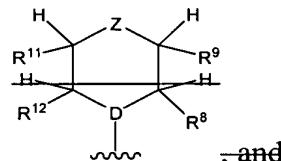
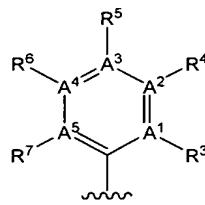
1. (Currently Amended) A compound comprising the chemical structure:



wherein:

R¹ and R² are independently selected from the group consisting of hydrogen, alkyl, cycloalkyl, aryl, heteroaryl, heteroalicyclic, halo, -CX₃, hydroxy, alkoxy, nitro, cyano, -C(O)R²⁶, -C(O)OR²⁶, R²⁶C(O)O-, -C(O)NR²⁸R²⁹, R²⁶C(O)NR²⁸-, -NR²⁸R²⁹, -S(O)₂R²⁶, -S(O)₂OR²⁶, -S(O)₂NR²⁸R²⁹, R²⁶S(O)₂NR²⁸-, X₃CS(O)₂- and X₃CS(O)₂NR²⁸- where X is F, Cl, Br, or I;

Het is selected from the group consisting of:



wherein:

A¹, A², A³, A⁴, and A⁵ are selected from the group consisting of carbon and nitrogen with the proviso that at least one and no more than two of A¹, A², A³, A⁴, and A⁵ are nitrogen;

R³, R⁴, R⁵, R⁶ and R⁷ are independently selected from the group consisting of hydrogen, alkyl, halo, hydroxy, alkoxy, X₃C-, nitro, cyano, -NR²⁸R²⁹, -C(O)OR²⁶ and -C(O)NR²⁸R²⁹ where X is as defined above; it being understood that when A¹, A², A³, A⁴ or A⁵ is nitrogen, R³, R⁴, R⁵, R⁶ or R⁷, respectively, does not exist;

D is carbon or nitrogen;

R⁸, R⁹, R¹¹ and R¹² are independently selected from the group consisting of hydrogen, alkyl, hydroxy, alkoxy, halo, nitro, cyano and NR²⁸R²⁹;

Z is selected from the group consisting of oxygen, sulfur, and NR¹⁰;

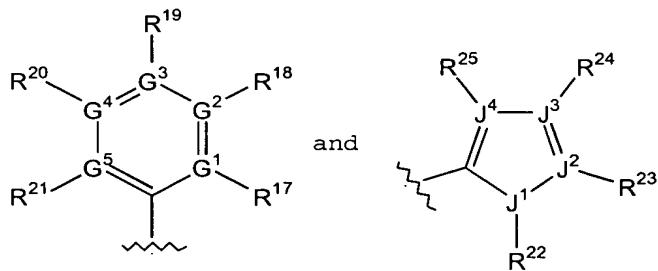
R¹⁰ is selected from the group consisting of hydrogen, alkyl, cycloalkyl, aryl, C(O)R²⁶, C(S)R²⁶, C(O)OR²⁶, C(O)NR²⁸R²⁹, C(S)NR²⁸R²⁹, C(NH)NR²⁸R²⁹ and S(O)₂R²⁶;

E¹, E², E³ and E⁴ are selected from the group consisting of carbon, nitrogen, oxygen and sulfur with the proviso that when D is carbon then at least one of E¹, E², E³ and E⁴ is other than carbon and that no more than one of E¹, E², E³ or E⁴ is oxygen or sulfur;

the dotted circle inside the five member ring contain D, E¹, E², E³ and E⁴ ring means that the ring system is aromatic;

R¹³, R¹⁴, R¹⁵ and R¹⁶ are independently selected from the group consisting of hydrogen, alkyl, cycloalkyl, aryl, heteroaryl, heteroalicyclic, hydroxy, alkoxy, mercapto, thioalkoxy, halo, nitro, cyano, C(O)R²⁶, C(O)OR²⁶, C(O)NR²⁸R²⁹ and NR²⁸R²⁹, it being understood that, when one of E¹, E², E³ or E⁴ is sulfur or oxygen and any of the others is nitrogen, there is no R group bonded to any of those nitrogens, it also being understood that, when two or three of E¹, E², E³ or E⁴ are nitrogen, there is an R group bonded to one of the nitrogens and that R group is selected from the group consisting of hydrogen and alkyl, there being no R group bonded to any of the other nitrogens;

Q is selected from the group consisting of:



where:

G^1, G^2, G^3, G^4 and G^5 are selected from the group consisting of carbon and nitrogen with the proviso that no more than two of G^1, G^2, G^3, G^4 and G^5 are nitrogen;

$R^{17}, R^{18}, R^{19}, R^{20}$ and R^{21} are independently selected from the group consisting of hydrogen, alkyl, hydroxy, alkoxy, halo, $-NR^{28}R^{29}$, $-(CH_2)_nC(O)R^{26}$, $-(CH_2)_nC(O)OR^{26}$ and $-(CH_2)_nC(O)NR^{28}R^{29}$, $-(CH_2)_nNR^{28}R^{29}$, $-(CH_2)_nS(O)_2R^{26}$ and $-(CH_2)_nS(O)_2NR^{28}R^{29}$;

J^1 is selected from the group consisting of nitrogen, oxygen and sulfur such that when J^1 is nitrogen, R^{22} is selected from the group consisting of hydrogen, alkyl and $-C(O)R^{26}$; and when J^1 is oxygen or sulfur, R^{22} does not exist;

J^2, J^3 and J^4 are selected from the group consisting of carbon and nitrogen;

R^{23}, R^{24} and R^{25} are independently selected from the group consisting of hydrogen, alkyl, aryl optionally substituted with one or more groups independently selected from the group consisting of hydroxy, unsubstituted lower alkoxy and halo, halo, $-(CH_2)_nC(O)R^{26}$, $-(CH_2)_nC(O)OR^{26}$ and $-(CH_2)_nC(O)NR^{28}R^{29}$, $-(CH_2)_nNR^{28}R^{29}$, $-(CH_2)_nS(O)_2R^{26}$, $-(CH_2)_nS(O)_2NR^{28}R^{29}$, $-(CH_2)_nOR^{26}$, $-O(CH_2)_nNR^{28}R^{29}$ and $-C(O)NH(CH_2)_nNR^{28}R^{29}$;

n is 0, 1, 2, or 3;

R^{23} and R^{24} or R^{24} and R^{25} may combine to form a group selected from the group consisting of $-CH_2CH_2CH_2CH_2-$, $-CH=CR^{33}-CR^{34}=CH-$ and $-C(O)Y(CH_2)_2-$ and group wherein Y is selected from the group consisting of oxygen, sulfur and $-N(R^{27})-$ and R^{33} and R^{34} are selected from the group consisting of hydrogen, $-(CH_2)_nNR^{28}R^{29}$ and $-O(CH_2)_nNR^{28}R^{29}$ where, when one of R^{33} or R^{34} is $-(CH_2)_nNR^{28}R^{29}$ or $-O(CH_2)_nNR^{28}R^{29}$, the other is hydrogen;

it being understood that, when J^2, J^3 or J^4 is nitrogen, R^{23}, R^{24} or R^{25} , respectively, does not exist;

R^{26} is selected from the group consisting of hydrogen, alkyl, cycloalkyl, aryl and heteroaryl;

R^{27} is selected from the group consisting of hydrogen and alkyl;

R^{28} and R^{29} are independently selected from the group consisting of hydrogen, alkyl, aryl, heteroaryl, $-(CH_2)_n$ aryl, $-(CH_2)_n$ heteroaryl and $-C(O)R^{26}$, or, combined, R^{28} and R^{29} may form a group selected from the group consisting of $-(CH_2)_5-$,

$-(CH_2)_2O(CH_2)_2-$, $-(CH_2)_2NR^{30}(CH_2)_2-$ and $-(CH_3)_3C(O)-$ wherein R^{30} is selected from the group consisting of hydrogen, alkyl, $-C(O)R^{26}$, $-S(O)_2R^{26}$, $-S(O)_3R^{26}$, $-S(O)_2NR^{31}R^{32}$, $-C(O)NHN R^{31}R^{32}$, $-C(O)NR^{31}R^{32}$, $-C(S)NR^{31}R^{32}$ and $-C(O)OR^{26}$ where R^{31} and R^{32} are independently selected from the group consisting of hydrogen, unsubstituted lower alkyl and aryl optionally substituted with one or more groups independently selected from the group consisting of halo and unsubstituted lower alkoxy; or a pharmaceutically acceptable salt thereof; provided that:

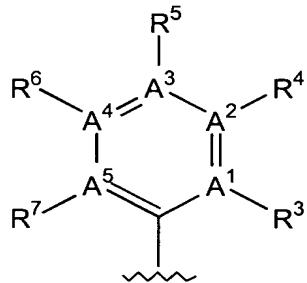
the compound of formula (I) is not:

(Z)-1,3-dihydro-3-[(1H-pyrrol-2-yl)methylene]-4-(2-thiophenyl thiophene-2-yl)-2H-indol-2-one; and

(Z)-1,3-dihydro-4-(2,4-dimethoxy-6-pyrimidinyl)-3-[(1H-pyrrol-2-yl)methylene]-2H-indol-2-one.

2. (Original) The compound of claim 1, wherein R^1 and R^2 are hydrogen.

3. (Original) The compound of claim 1, wherein Het is:



wherein:

A^1 or A^2 or A^3 or A^4 and A^5 are nitrogen;

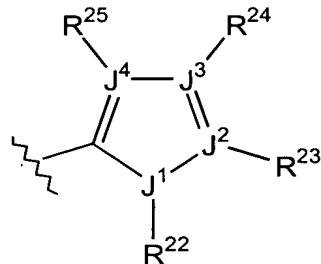
the A 's which are not nitrogen are carbon; and

the R groups on the A 's that are carbon are independently selected from the group consisting of hydrogen, $-NH_2$ and $-C(O)OR^{26}$ where R^{26} is selected from the group consisting of hydrogen and unsubstituted lower alkyl.

4. (Original) The compound of claim 3, wherein Het is 4-pyridyl or 5-pyrimidinyl.

Claims 5 – 9. Cancelled.

10. (Original) The compound of claim 1, wherein Q is:



wherein:

J¹ is nitrogen;

J², J³ and J⁴ are carbon; and

R²² is hydrogen.

11. (Original) The compound of claim 10, wherein:

R²³ is selected from the group consisting of hydrogen, unsubstituted lower alkyl, -C(O)OR²⁶, -C(O)NR²⁸R²⁹ or R²³ combined with R²⁴ form -(CH₂)₅- and -CH=CH-CR³⁴=CH-, where R²⁶ is hydrogen or unsubstituted lower alkyl; R³⁴ is selected from the group consisting of hydrogen and -O(CH₂)NR²⁸R²⁹ and R²⁸ and R²⁹ are independently selected from the group consisting of hydrogen, unsubstituted lower alkyl and, R²⁸ and R²⁹ combined, form a group selected from the group consisting of -(CH₂)₂N(R³⁰)(CH₂)₂-, -(CH₂)₂O(CH₂)₂- and -(CH₂)₅-, wherein R³⁰ is selected from the group consisting of hydrogen and unsubstituted lower alkyl

12. (Currently Amended) The compound of claim 11, wherein R²⁴ and R²⁵ are independently selected from the group consisting of:

hydrogen;

unsubstituted lower alkyl;

aryl optionally substituted with a group selected from the group consisting of halo, unsubstituted lower alkoxy; morpholino and 4-formylpiperidinyl;

$-(CH_2)_nC(O)NR^{28}R^{29}$;
 $-(CH_2)_nC(O)OR^{26}$;
 $-(CH_2)_nNR^{28}R^{29}$;
 $-(CH_2)_nOR^{26}[,]_i$
 $-C(O)NH(CH_2)_nNR^{28}R^{29}$;
 $-O(CH_2)_nNR^{28}R^{29}$;
 $-O(CH_2)_nOR^{26}[,]_i$ and,

when R^{24} is not combined with R^{23} , R^{24} and R^{25} combined form a group selected from the group consisting of:

$-(CH_2)_2OC(O)-$;
 $-(CH_2)_2N(R^{30})C(O)-$;
 $-(CH_2)_5-$ and
 $-CH=CH-CH=CH-$;

where R^{26} is selected from the group consisting of hydrogen and unsubstituted lower alkyl; R^{28} and R^{29} are independently selected from the group consisting of hydrogen, unsubstituted lower alkyl, lower alkyl substituted with a phenyl or a pyridyl group or, combined, a group selected from the group consisting of $-(CH_2)_5-$, $-(CH_2)_2NR^{30}(CH_2)_2-$ and $-(CH_2)_2O(CH_2)_2-$ where R^{30} is selected from the group consisting of hydrogen, unsubstituted lower alkyl and $-C(O)R^{26}$ where R^{26} is as defined above.

13. (Original) The compound of claim 1, wherein Q is 3,5-dimethyl-4-(4-methylpiperazin-1-yl-carbonyl)-1H-pyrrol-2-yl, 5-(methyl-3H-imidazol-4-yl)-1H-pyrrol-2-yl, 3-methyl-4-(4-methylpiperidin-1-yl-carbonyl)-1H-pyrrol-2-yl, 3,5-dimethyl-1H-pyrrol-2-yl, 3-(2-carboxyethyl)-4,5,6,7-tetrahydro-1H-indol-2-yl, 3-(2-carboxyethyl)-5-methyl-1H-pyrrol-2-yl, 3-(2-carboxyethyl)-5-ethyl-1H-pyrrol-2-yl, 3-(2-carboxyethyl)-4-ethoxycarbonyl-5-methyl-1H-pyrrol-2-yl, 4-(2-carboxyethyl)-3,5-dimethyl-1H-pyrrol-2-yl, 4-(carboxymethyl)-3,5-dimethyl-1H-pyrrol-2-yl, indol-2-yl, 4,5,6,7-tetrahydroindol-2-yl, 5-(2-morpholin-4-ylethoxy)indol-2-yl, 3-(carboxy)-5-methyl-1H-pyrrol-2-yl, 5-carboxy-3-methyl-1H-pyrrol-2-yl, 3-(3-morpholin-4-ylpropyl)-4,5,6,7-tetrahydroindol-2-yl, 4-(2-diethylaminoethylaminocarbonyl)-3,5-dimethyl-1H-pyrrol-2-yl, 4-(4-methylpiperazin-1-ylcarbonyl)-3,5-dimethyl-1H-pyrrol-2-yl, 5-(4-methylpiperazin-1-ylcarbonyl)-3-methyl-1H-

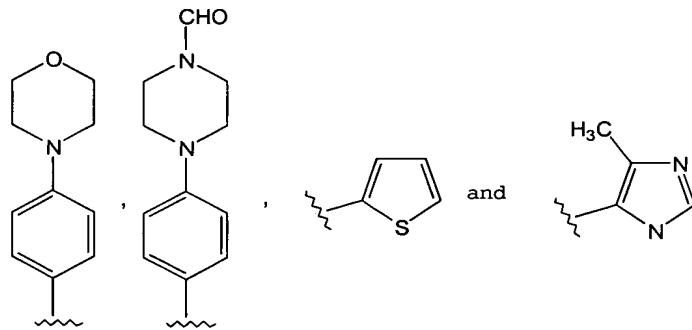
pyrrol-2-yl, 5-(ethoxycarbonyl)-4,5,6,7-tetrahydro-2H-isoindol-3-yl, 4-(pyridin-4-ylaminocarbonyl)-3-phenyl-5-methyl-1H-pyrrol-2-yl, 5-methylthiophen-2-yl, 3-(2-carboxyethyl)-5-ethoxycarbonyl-4-methyl-1H-pyrrol-2-yl, 3-(2-carboxyethyl)-4-carboxy-1H-pyrrol-2-yl, 3-(4-hydroxyphenyl)-4-ethoxycarbonyl-1H-pyrrol-2-yl, 4-(morpholin-4-ylcarbonyl)-3-methyl-1H-pyrrol-2-yl, 4-(piperidin-1-ylcarbonyl)-3-methyl-1H-pyrrol-2-yl, 3-(2-carboxyethyl)-5-(ethoxycarbonyl)-4-methyl-1H-pyrrol-2-yl, 3-(2-carboxyethyl)-4-(carboxy)-1H-pyrrol-2-yl, 3-(methyl)-4-(benzylaminocarbonyl)-1H-pyrrol-2-yl, 3-methyl-4-(pyridin-4-ylmethyaminocarbonyl)-1H-pyrrol-2-yl, 3-methyl-4-[3-(2-oxopyrrolidin-1-yl)propyl-aminocarbonyl]-1H-pyrrol-2-yl, 5-methyl-4-ethoxycarbonyl-3-[3-(4-methylpiperazin-1-yl)propyl]-1H-pyrrol-2-yl, or 3,5-dimethyl-4-(4-methylpiperazin-1-ylaminocarbonyl)-1H-pyrrol-2-yl.

14. (Original) The compound of claim 13, wherein R¹ and R² are hydrogen.

15. (Original) The compound of claim 14, wherein Het is pyridin-4-yl.

16. Cancelled.

17. (Original) The compound of claim 1, wherein Q is selected from the group consisting of:



18. (Original) A pharmaceutical composition comprising a compound or salt of claim 1 and a pharmaceutically acceptable carrier or excipient.

19. (Original) A pharmaceutical composition comprising a compound or salt of claim 15 and a pharmaceutically acceptable carrier or excipient.

20. Cancelled.

21. (Original) A method for treating a protein kinase related disorder comprising administering to an organism in need thereof a therapeutically effective amount of a compound or salt of claim 1.

22. (Original) A method for treating a protein kinase related disorder comprising administering to an organism in need thereof a therapeutically effective amount of a compound or salt of claim 15.

23. Cancelled.

24. (Currently amended) The method of one of claims 21, or 22, or 23 wherein said protein kinase related disorder is selected from the group consisting of a receptor tyrosine kinase related disorder, a non-receptor tyrosine kinase related disorder and a serine-threonine kinase related disorder.

25. (Currently amended) The method of one of claims 21, or 22, or 23 wherein said protein kinase related disorder is selected from the group consisting of an EGFR related disorder, a PDGFR related disorder, an IGFR related disorder, a flk related disorder, a CDK related disorder, a Met kinase related disorder and a Src kinase related disorder.

26. (Currently amended) The method of one of claims 21, or 22, or 23 wherein said protein kinase related disorder is a cancer selected from the group consisting of squamous cell carcinoma, astrocytoma, Kaposi's sarcoma, glioblastoma, lung cancer, bladder cancer, head and neck cancer, melanoma, ovarian cancer, prostate cancer, breast cancer, small-cell lung cancer, glioma, colorectal cancer, genitourinary cancer and gastrointestinal cancer.

27. (Currently amended) The method of one of claims 21, or 22, or 23 wherein said protein kinase related disorder is selected from the group consisting of diabetes, an

autoimmune disorder, a hyperproliferation disorder, restenosis, fibrosis, psoriasis, von Heppel-Lindau disease, osteoarthritis, rheumatoid arthritis, angiogenesis, an inflammatory disorder, an immunological disorder and a cardiovascular disorder.

28. (Currently amended) The method of one of claims 21, or 22, or 23 wherein said protein kinase related disorder is a CDK-related disorder.

29. (Currently amended) The method of one of claims 21, or 22, or 23 wherein said organism is a human.